SEQUENCE LISTING

<110> University of Wales, Bangor

<120> Schistosomiasis vaccine

<130> L213

<140>10/020,441
<141>2001-12-18

<140>09/413,810
<141>1999-10/07

<150> GB 9821821.7
<151> 1998-10-07

<160> 3

<170> PatentIn Ver. 2.1

<210> 1
<211> 1489
<212> DNA
<213> Artificial Sequence

A1

<220>
<223> Description of Artificial Sequence: dna

<400> 1
gtgtcaacct ggttgatacg tagtggtgaa cctgtgcaac accgcactga attcccgttc 60
atcgcattct taacgacaga gagaacaatg tgtacagstt cactagtctc aacgagagca 120
gtactcacag ctggtcattg tgtttgctca ccattgccag tgattcgggt aagagatcga 180
ctg0aaacac attgttgctc aatgtaatcg attgatttca cagacagtgt ttgcgtgtgc 240
gtgcgtttgt gtttgtgtat gcagtgggtt tgcatagatt ttaatgtcta tatacttggt 300
cttatttcag gtttcatttc tcacactgag gaat00ggcg accaacaagg catccatcac 360
caaccgtctg gagttaaggt ggcaccagga tacatg0ccc tcttgtatgt cggcacgaca 420
gaggagacca atcgcacaga cactcagtgg attcgat0at tgcaattgta atgctggctc 480
aaatggtcaa cttacagagt ggaatcagag tgatcagt0c tgccacagcc atcggatatc 540
ccgccacctg gaactggtgt tttcattgtt ggttatgga0 agggatgata acgaccgtga 600
tccgtcacgt aagaatggtg gaatattgaa gaaagtgagt t0gttggtga ataaacgaca 660
tgactcagtc gtcagtcaga tgtcagtcag ttattctgtg tgtctgtgta tctgtttgtg 720
t0gtctgtct gtctacctga tccggttgtt gtattggtca gagccttgat aataacaact 780
gtgtttggat gactttgtga cagttcagta gcagagtgat ttccatctcg gtcattgtgt 840
tggtgaggtg aggtgacgtg atgtgaggtg agttgaggta gattggatgg gatggaatgt 900
gatgtgatgg gatgattgag accacttgga ggagagaaga ctcatgaaat atctatgca0 960
aacgatggaa gtgtgttgtg tacatgaagt agggggtcaa tgtgtttgag tatgtgtttg 1020
gagagtggtg agatggaga0 gtgacttgat cgtcgaatat agtgcacatg tgattgtatg 1080
tggactattg ttgtgtgggt agtgtaaagg gtggatattg tgccagttga tattttcgaa 1140
attcacttgt gtgttttgtt ttgttccgtt gtgttttgtt ctttctcatc tgtactgtac 1200
gttgttgtac tgtactgttg ttgtggttgt ttgtttgcac cacagggtcg agcgactata 1260
atggaatgcc gacatgcgac caatggcaat cctatatgtg tgaaagcagg tcagaatttc 1320
ggacagttac ccgctccagg tgacagtggt ggacctctcc tcccatccct tcaaggtcca 1380
gtactcggtg tcgtatcaca tggtgtcaca ctgccaaacc ttcccgatat cattgtcgag 1440
tatgccagt0 gtggctagaa tgttggattt tgtacgctcc aatatttga 1489

<210> 2

<211> 106
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:protein

<400> 2
Val Ser Phe Leu Thr Leu Arg Asn Gly Asp Gln Gln Gly Ile His His
1 5 10 15

Gln Pro Ser Gly Val Lys Val Ala Pro Gly Tyr Met Pro Ser Cys Met
20 25 30

Ser Ala Arg Gln Arg Arg Pro Ile Ala Gln Thr Leu Ser Gly Phe Asp
35 40 45

Ile Ala Ile Val Met Leu Ala Gln Met Val Asn Leu Gln Ser Gly Ile
50 55 60

Arg Val Ile Ser Leu Pro Gln Pro Ser Asp Ile Pro Pro Pro Gly Thr
65 70 75 80

Gly Val Phe Ile Val Gly Tyr Gly Arg Asp Asp Asn Asp Arg Asp Pro
85 90 95

Ser Arg Lys Asn Gly Gly Ile Leu Lys Lys
100 105

<210> 3
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:protein

<400> 3
Val Gly Tyr Gly Arg Asp Asp Asn Asp Arg Asp Pro Ser Arg Lys Asn
1 5 10 15